

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A cryptographic apparatus comprising:

plaintext packet receiver for receiving packet data transmitted and received between terminals;

a fragmentation determination unit for making a determination as to whether there is a need for fragmentation of the packet data by computing the packet length when the packet data is encrypted and by comparing the computed packet length with a predetermined packet length;

a fragmentation unit for dividing the packet data into a plurality of divided data groups if it is determined that there is a need for fragmentation of the packet data as a result of said determination, said fragmentation unit setting the divided data groups in a plurality of divided data packets of a predetermined data structure capable of being transmitted to and reconstructed in a transmission destination terminal, said fragmentation unit adding, to each divided data packet, control information for ensuring continuity between the divided data packets;

an encryption unit for separately encrypting the plurality of divided data packets to form a plurality of encrypted packets; and

an encrypted packet transmitting unit for transmitting the plurality of encrypted packets to a decryption terminal;

wherein the plurality of divided data packets include two or more associated divided data packets and the control information permits the associated divided data packets to be transmitted

OK to  
enter  
D20  
11/9/07